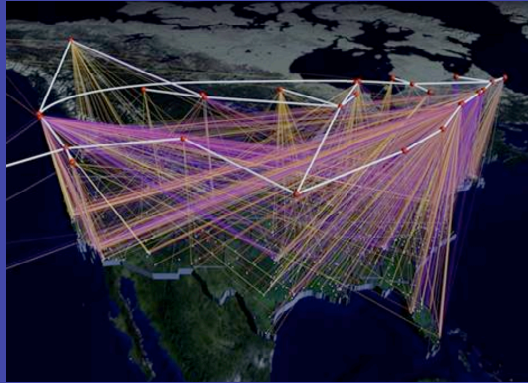


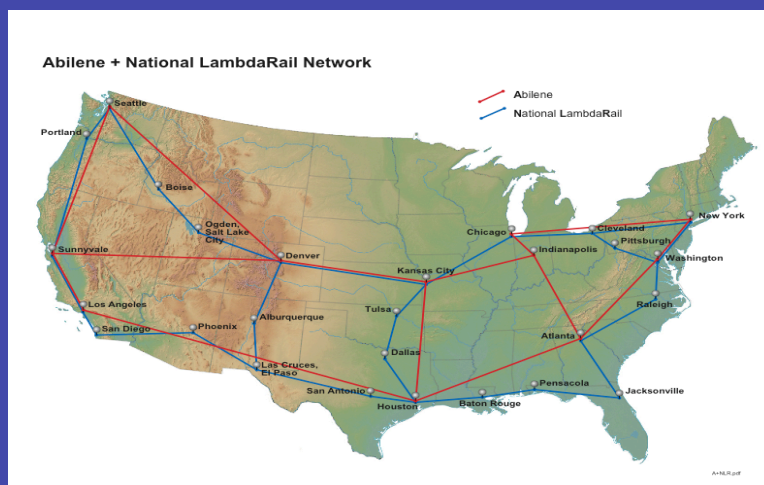
# Expanding the Cyber Network across Delaware



**Karl V. Steiner**  
Delaware Biotechnology Institute

S&T Council, December 12, 2006

## Two Major Research and Education Backbone Networks



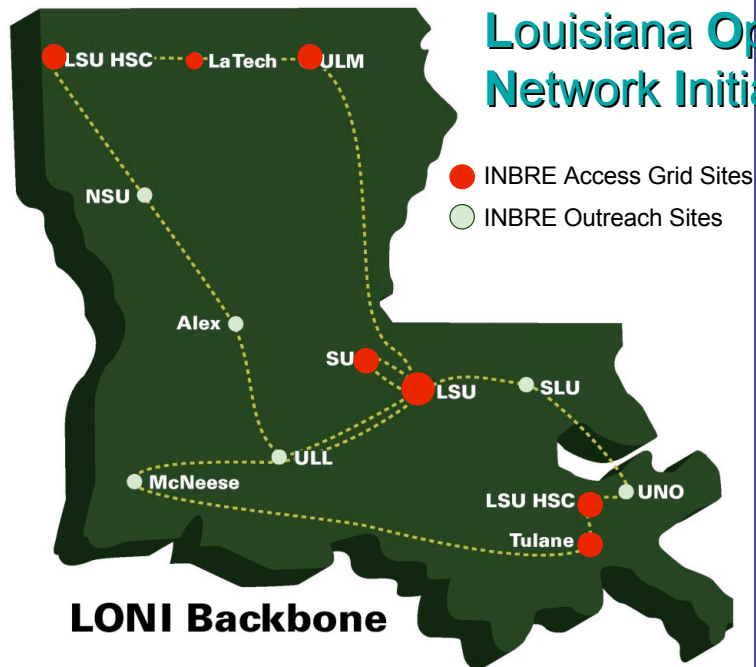


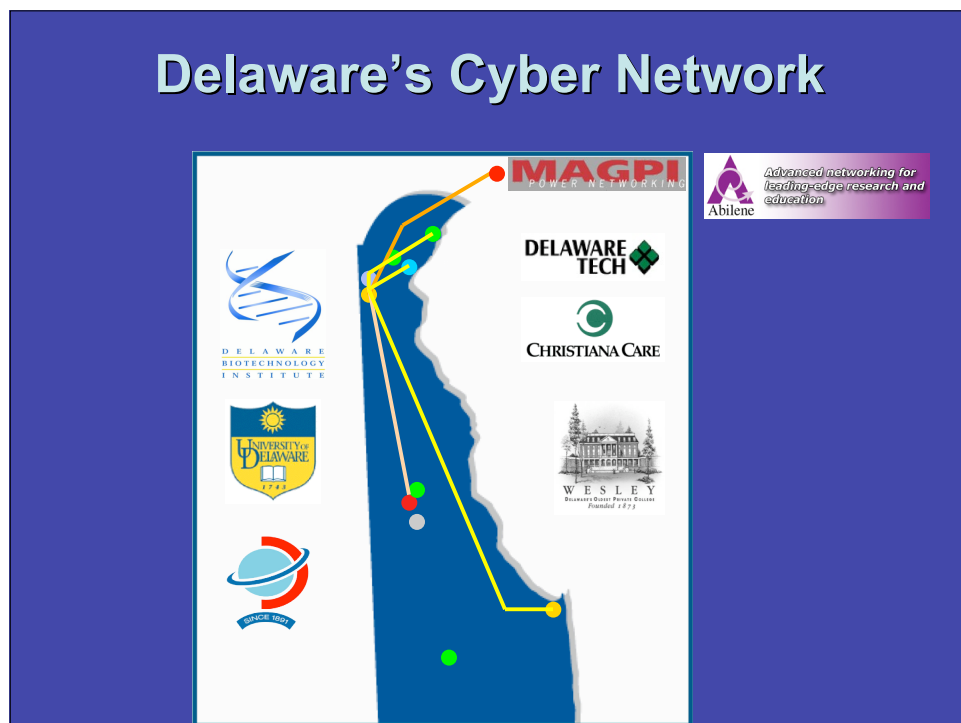
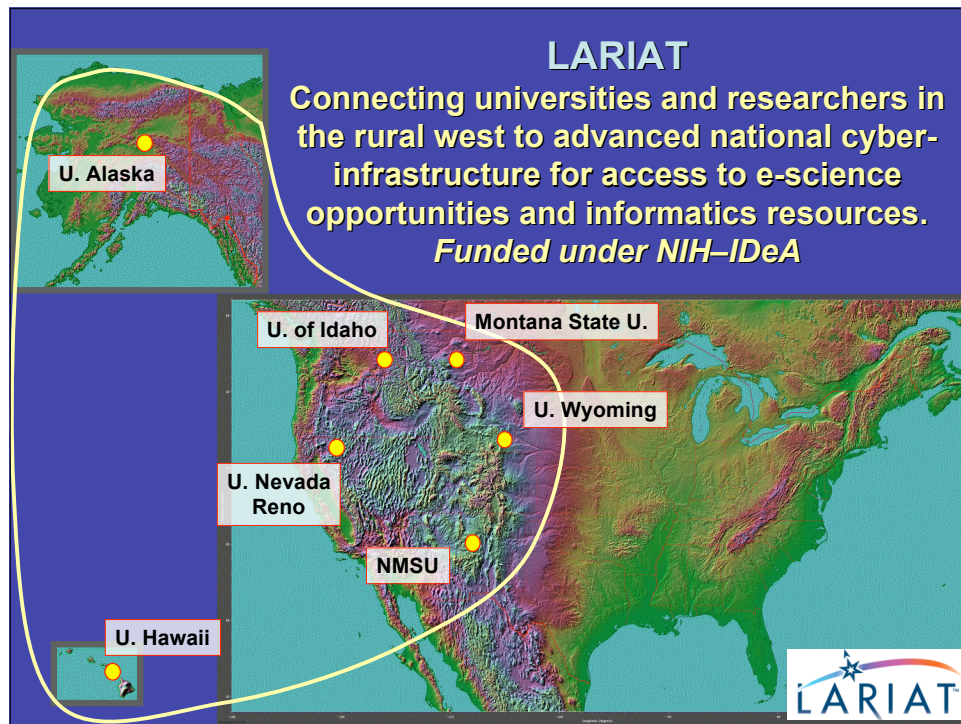
## National LambdaRail™ Infrastructure



*Circled route represents a change to the NLR backbone as a result of the inclusion of "LONI"*

## Louisiana Optical Network Initiative





## Governor's Strategic Economic Council – 2002



**A Report of The Governor's Strategic Economic Council**  
*A Vision For Delaware's Economy*



**Recommendations**

- Implement a strategy that will build on the national reputation of Delaware Chancery Court, extending that reputation to include IT litigation.
- Work with the Department of Technology and Information to conduct a study and, based on the findings, create a plan to ensure that Delaware is at the leading edge of the IT industry. The study should:
  - Review the initiatives being undertaken by other states to develop Technology Centers
  - Review the availability of the current IT infrastructure to both large and small business
  - Identify any gaps in service
  - Evaluate the potential for the State's IT infrastructure to be marketed as a competitive advantage for businesses
  - Explore the opportunity for a shared infrastructure resource
- Leverage the State's broadband as a geographic entity to support and expand Delaware's major technology industry segments.
- Build on Delaware's IT infrastructure to develop Delaware as a center for logistics and e-commerce industries.

- Review the availability of the current IT infrastructure to both large and small business
- Identify any gaps in service
- Evaluate the potential for the State's IT infrastructure to be marketed as a competitive advantage for businesses

## Status & Recommendation

- **Significant IT initiatives underway across the State**
  - DE Department of Technology and Innovation (DTI)
  - Internet2 Access to Abilene Network
  - Sponsored Educational Group Participants (SEGP)
    - Delaware Education and Research Network (DELEARN)
  - Verizon Transparent LAN Service (TLS)
- **Continued requirement to build**
  - Access for Schools
  - Medical Community
  - Small Business
- **Explore the feasibility of building on the academic cyber network to significantly broaden its utilization throughout Delaware and assess economic development opportunities.**



